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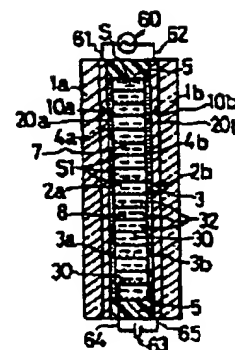
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ELECTROPHORETIC DISPLAY ELEMENT

Abstract:

PURPOSE: To prevent agglutination of electrophoretic display particles and quickly switch occulting display at high response speed while preventing irregular response.

CONSTITUTION: An electrophoretic display element comprises a first transparent base 1a, a second transparent base 2b disposed opposite to the first transparent base 1a, a first transparent electrode 2a and second transparent electrodes 2b provided to the first and second transparent bases 1a, 1b, respectively, a light-transmitting dispersion medium 7 sealed in a sealing space S between the first and second transparent bases 1a, 1b, and light-blocking electrophoretic particles 8 dispersed in the dispersion medium 7 and ac or dc voltage is applied to the first and second transparent electrodes 2a, 2b and a striped or meshed conductive partitioning member 3 intervenes in the sealed space S and the sealed space S has a plurality of rooms S1 defined by the conductive partitioning member 3 and also the conductive partitioning member 3 forms a third electrode and dc voltage is applied to at least either one of the first transparent electrode 2a and the second transparent electrode 2b together with the third electrode.



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